

Fig. 1

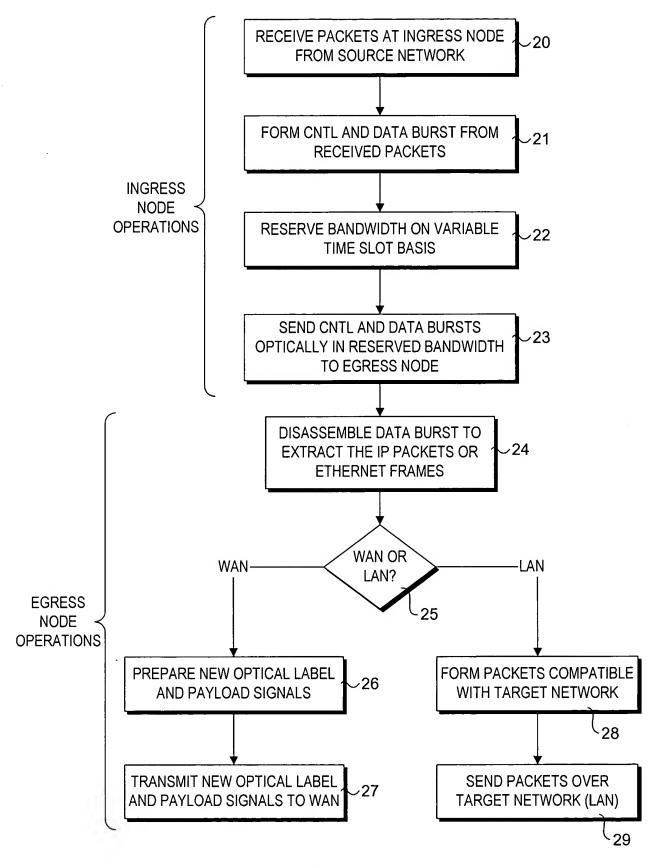


Fig. 2

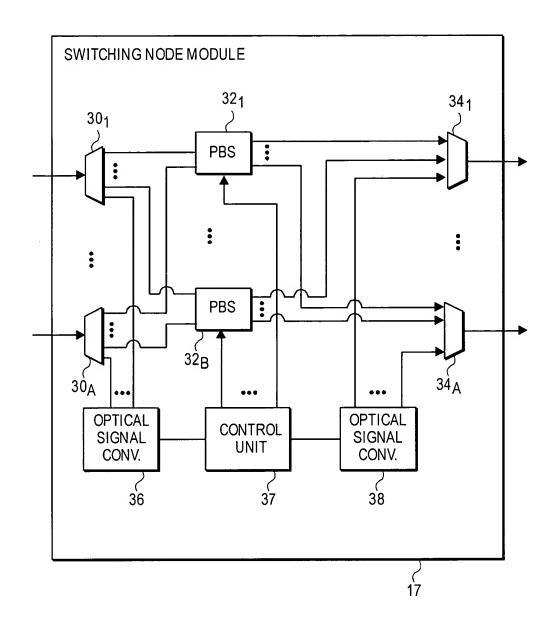


Fig. 3

GMPLS BASED ARCHITECTURE FOR PBS

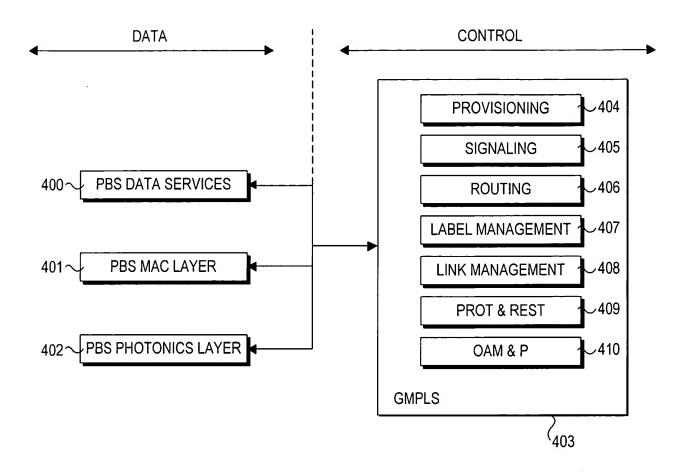
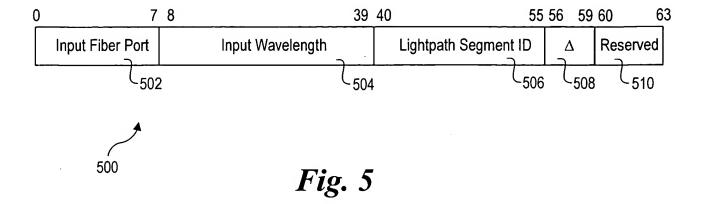


Fig. 4



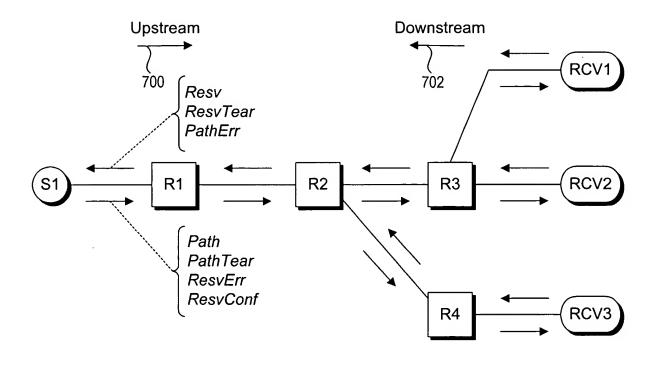
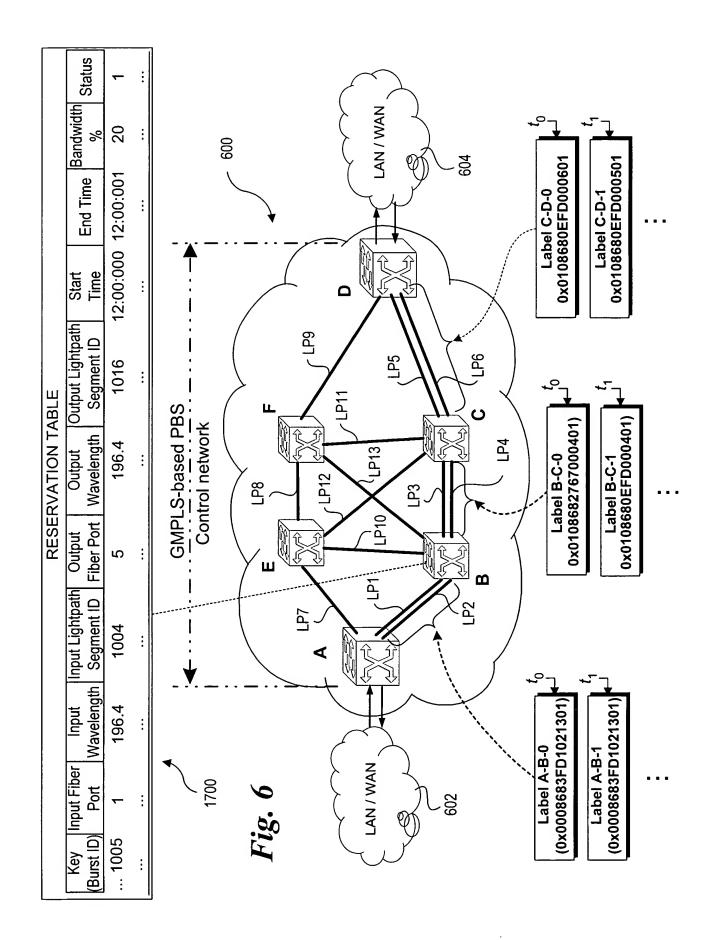


Fig. 7



```
<Path Message> ::=
             <Common Header> \sim 802
             [ <INTEGRITY> ] \sim 804
             <UNI IPv4 SESSION>\sim806
             <IPv4 IF ID RSVP HOP>\sim808
             <TIME VALUES>\sim810
             [<EXPLICIT ROUTE>]\sim811
             <GENERALIZED PBS LABEL REQUEST>∼812
             [ < LABEL SET> ... ] ~ 814
             [ < ADMIN STATUS> ]\sim816
             <DESTINATION PBS ADDRESS>\sim818
             <SOURCE_PBS_ADDRESS >\sim820
              [ <POLICY DATA> ... ] ∼822
             <sender descriptor> \sim824
or
                                           800
                       Fig. 8a
    Sender descriptor for a unidirectional PBS light-path:
  <LSP TUNNEL IPv4 SENDER TEMPLATE>\sim826
         <PBS SENDER TSPEC>\sim828
                                           824A
                       Fig. 8b
     Format of the sender descriptor for a bi-directional PBS light-path
<LSP TUNNEL IPv4 SENDER TEMPLATE> \sim 826
          <PBS SENDER TSPEC>\sim828
          <UPSTREAM LABEL>\sim830
                                            824B
                       Fig. 8c
```

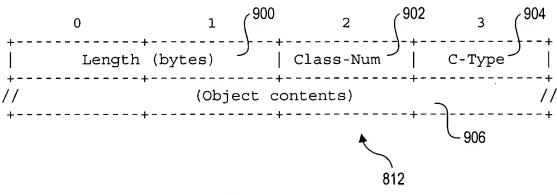
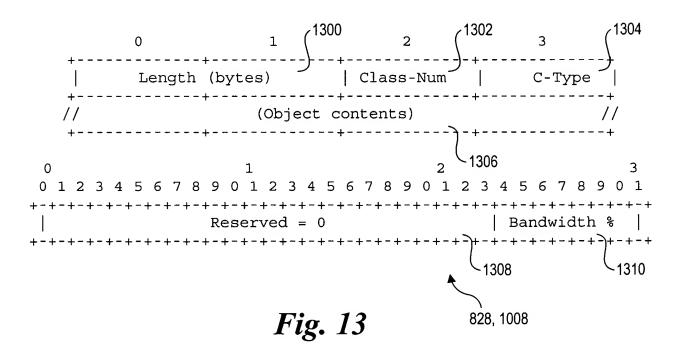


Fig. 9

```
<Resv Message> ::=
     <Common Header> \sim802
     [ <INTEGRITY> ] \sim804
     <UNI IPv4 SESSION>\sim806
     < IPv4_IF_ID_RSVP_HOP > \sim808
     <TIME VALUES> \sim810
     [ <IPv4 RESV CONFIRM> ] \sim1004
     [ <ADMIN STATUS>] \sim816
     [ <POLICY DATA> ... ] \sim 822
     <STYLE> \sim 1006
     <FF flow descriptor> \sim1008
                                     1000
           Fig. 10a
    → <FF flow descriptor> ::=
     <PBS_FLOWSPEC>\sim1010
     <LSP TUNNEL IPv4 FILTER_SPEC>\sim1012
     <GENERALIZED_PBS_LABEL>~1014
                                      1008
           Fig. 10b
```



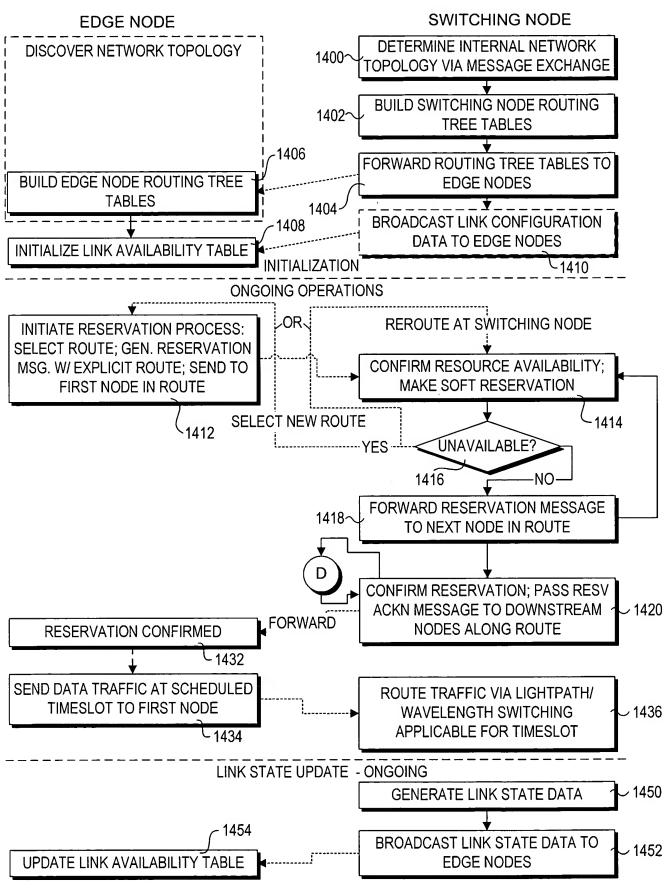


Fig. 14a

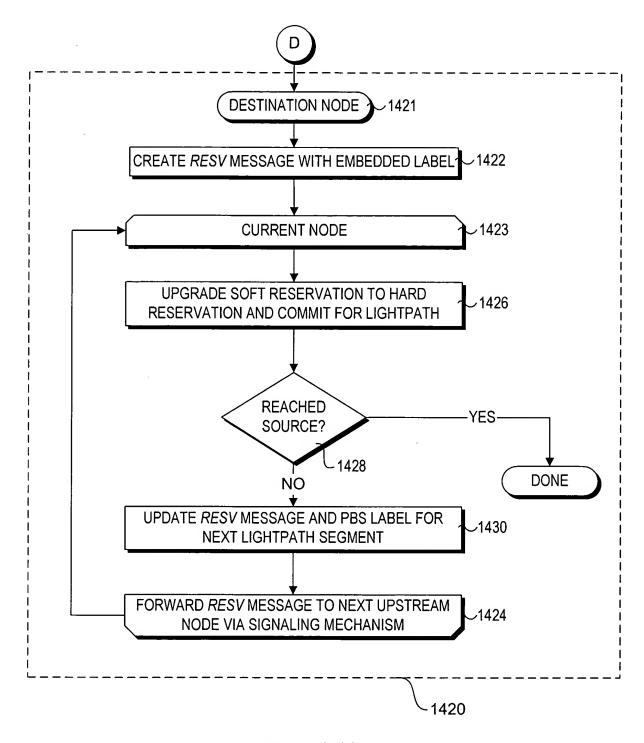
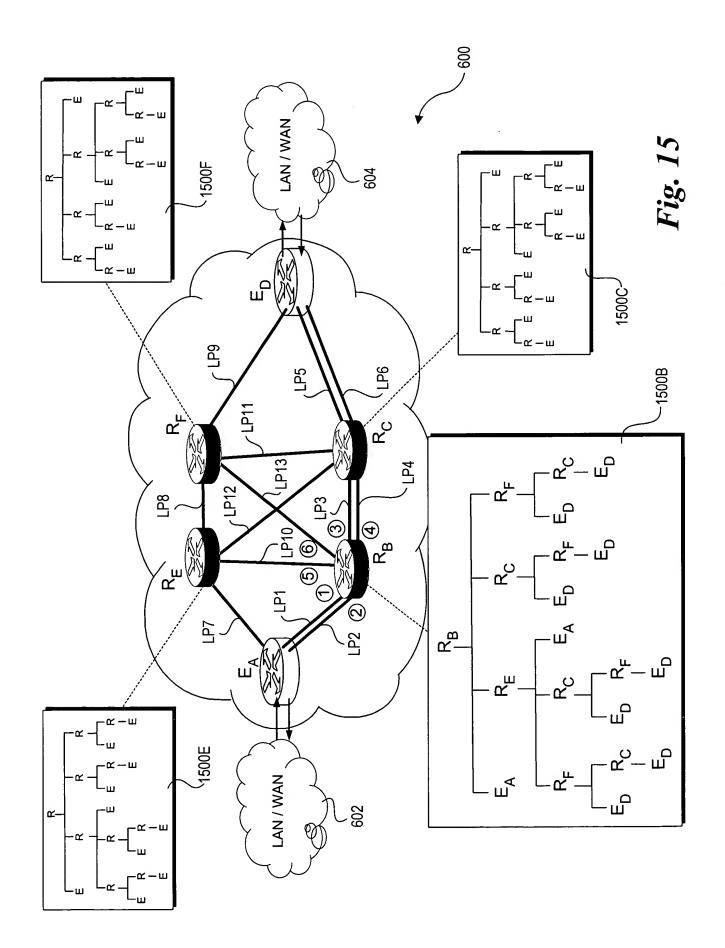
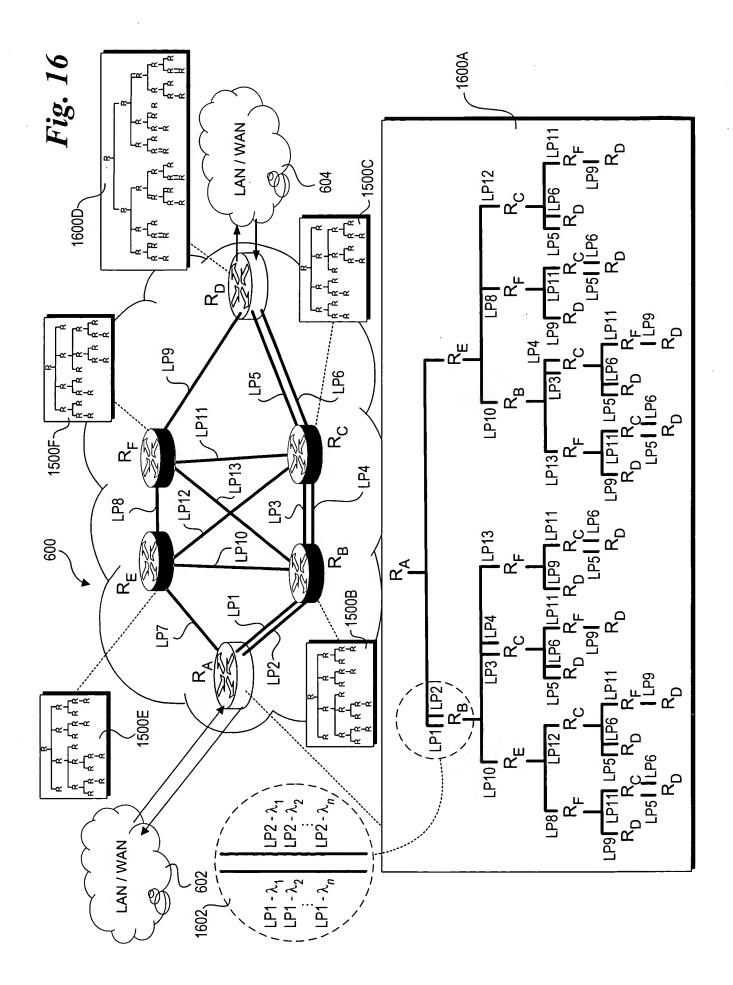
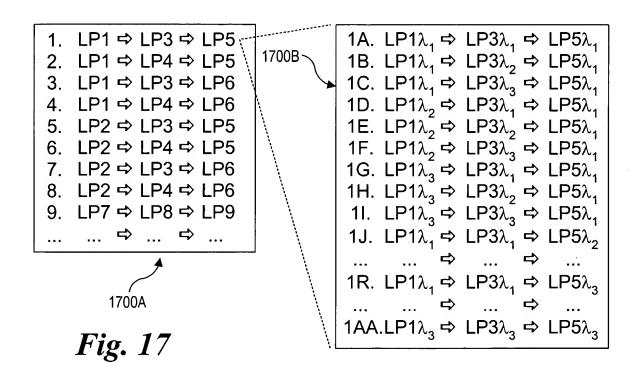


Fig. 14b







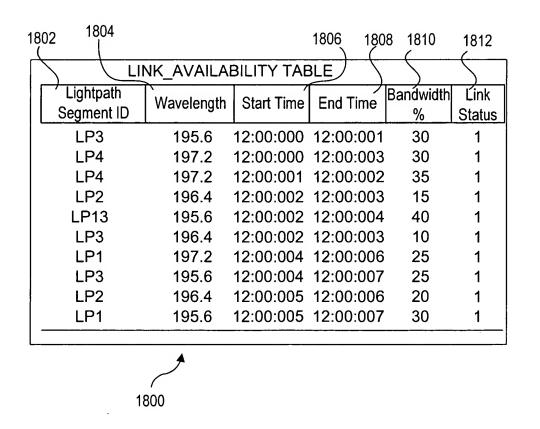


Fig. 18

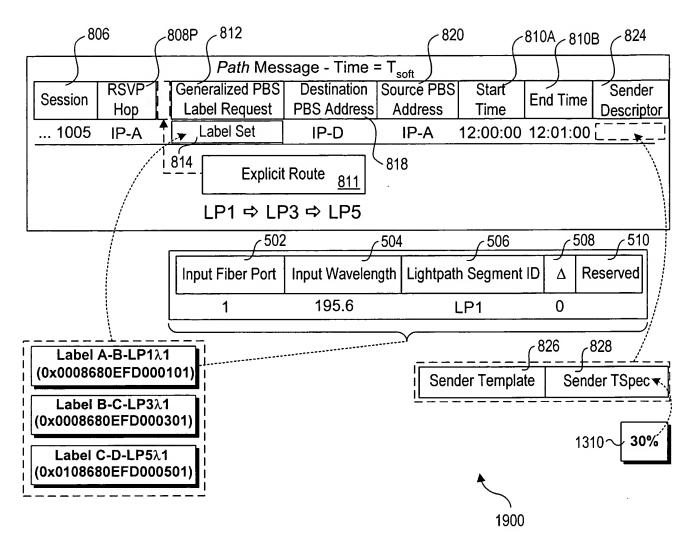


Fig. 19

,												
2022		Status	_	~	_	-	-	~	_	-	0	0
2018 2020		Bandwidth %	30	30	35	15	40	10	25	25	20	30
2016 2018		End Time B	12:01:00	12:03:00	12:02:00	12:03:00	12:04:00	12:03:00	12:06:00	12:07:00	12:06:00	12:07:00
,		Start Time	12:00:00	12:00:00	12:01:00	12:02:00	12:02:00	12:02:00	12:04:00	12:04:00	12:05:00	12:05:00
12 (2014		utput Lightpath Segment ID	LP3	LP4	LP4	LP2	LP13	LP3	LP1	LP3	LP2	LP1
0 (2012		Output / Ou	195.6	197.2	197.2	196.4	195.6	196.4	197.2	195.6	196.4	195.6
(2008)	RESERVATION TABLE	Output / Fiber Port W	5	5	9	4	2	9	_	3	2	-
		Input/Lightpath Segment ID F	LP1	LP1	LP2	LP3	LP1	LP2	LP4	LP3	LP2	LP13
,2004 ,2006	RE	Input / Wavelength	195.6	197.2	197.2	196.4	195.6	196.4	197.2	195.6	196.4	195.6
,2002		Input Fiber Port	-	_	2	က	_	2	9	4	2	5
		Key (Sess ID)	1005	1027	1045	1115	1146	1178	1222	1256	1313	1345

Fig. 20

2000

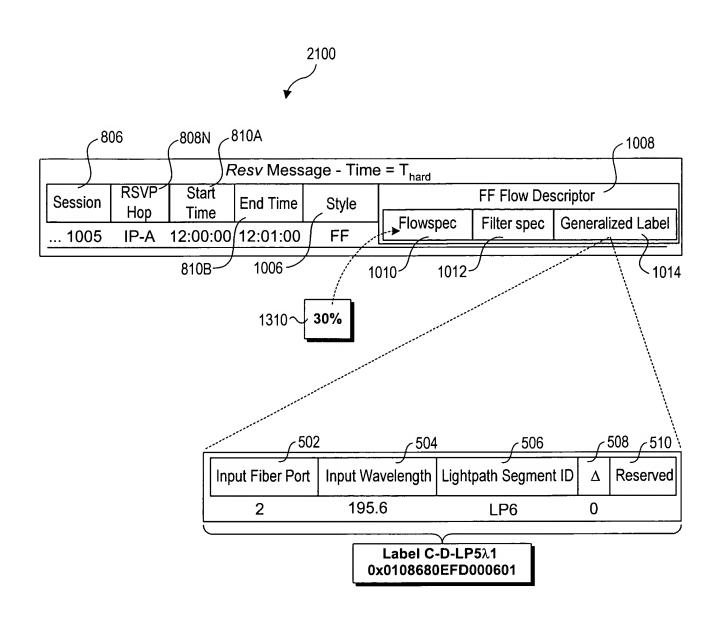


Fig. 21

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